

Marina Cobal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8764753/publications.pdf>

Version: 2024-02-01

639
papers

36,870
citations

3159

92
h-index

7160

153
g-index

655
all docs

655
docs citations

655
times ranked

11011
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Top Quark Production in $p\bar{p}$ Collisions with the Collider Detector at Fermilab. Physical Review Letters, 1995, 74, 2626-2631.	7.8	1,240
2	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
3	ATLAS pixel detector electronics and sensors. Journal of Instrumentation, 2008, 3, P07007-P07007.	1.2	494
4	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
5	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.	3.9	453
6	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
7	Evidence for top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1994, 50, 2966-3026.	4.7	400
8	Evidence for top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1994, 73, 225-231.	7.8	363
9	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
10	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
11	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
12	J/ψ and $\psi(2S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 572-577.	7.8	305
13	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	3.9	298
14	Observation of the B_c Meson in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 81, 2432-2437.	7.8	285
15	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
16	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	3.9	274
17	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
18	Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.	1.2	260

#	ARTICLE	IF	CITATIONS
19	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
20	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248
21	Double parton scattering in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1997, 56, 3811-3832.	4.7	246
22	Inclusive J/ψ , $\Upsilon(2S)$, and b -quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 1992, 69, 3704-3708.	7.8	243
23	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238

24

#	ARTICLE	IF	CITATIONS
37	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
38	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
39	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
40	Study of four-jet events and evidence for double parton interactions in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1993, 47, 4857-4871.	4.7	169
41	Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
42	Measurement of the transverse momentum and ϕ_{η}^* distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
43	Search for squarks and gluinos from pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1992, 69, 3439-3443.	7.8	149
44	Search for New Gauge Bosons Decaying into Dileptons in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 2192-2197.	7.8	147
45	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	146
46	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
47	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
48	Precision measurement and interpretation of inclusive W^+W^+ , W^+W^- . European Physical Journal C, 2017, 77, 367.	3.9	145
49	Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
50	Measurement of small angle antiproton-proton elastic scattering at $\sqrt{s} = 546$ and 1800 GeV. Physical Review D, 1994, 50, 5518-5534.	4.7	139
51	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	3.9	138
52	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	137
53	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	136
54	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 199.	3.9	132

#	ARTICLE	IF	CITATIONS
55	Transverse Momentum and Total Cross Section of e^+e^- Pairs in the Z-Boson Region from pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2000, 84, 845-850.	7.8	131
56	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	131
57	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	130
58	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	128
59	Search for Flavor-Changing Neutral Current Decays of the Top Quark in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1998, 80, 2525-2530.	7.8	127
60	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}'$ in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	126
61	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 995.	3.9	125
62	Measurement of the B Meson Differential Cross Section $d\Gamma/dp_T$ in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1995, 75, 1451-1455.	7.8	123
63	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 349.	3.9	123
64	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010, 70, 1193-1236.	3.9	121
65			

#	ARTICLE	IF	CITATIONS
73	Production of $(1S)$ Mesons from b Decays in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 2094-2099.	7.8	111
74	Measurement of t production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.	3.9	109
75	Searches for scalar leptoquarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
76	Search for new particles decaying to dijets at CDF. Physical Review D, 1997, 55, R5263-R5268.	4.7	108
77	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
78	Search for heavy resonances decaying into WW in the $e^+e^- \rightarrow e^+e^- \gamma^*/Z \rightarrow WW$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
79	Precision Measurement of the Prompt Photon Cross Section in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1994, 73, 2662-2666.	7.8	107
80	Measurement of p single diffraction dissociation at $\sqrt{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5535-5549.	4.7	105
81	Measurement of $\sin^2\theta_W$ from $B \rightarrow J/\psi K_S^0$ with the CDF detector. Physical Review D, 2000, 61, .	4.7	105
82	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	3.9	105
83	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b -jets in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
84	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	3.9	101
85	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma^*/Z \rightarrow ZZ$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101
86	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	100
87	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	3.9	95
88	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	3.9	95
89	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	3.9	95
90	Measurement of the W boson mass. Physical Review D, 1995, 52, 4784-4827.	4.7	93

#	ARTICLE	IF	CITATIONS
91	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93
92	Inclusive $t\bar{t}$ and $b\bar{b}$ -quark production in $p\bar{p}$ -collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1993, 71, 2537-2541.	7.8	92
93	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. Physical Review Letters, 1997, 79, 357-362.	7.8	92
94	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
95	Testbeam studies of production modules of the ATLAS Tile Calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 606, 362-394.	1.6	91
96	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
97	Search for the $b\bar{b}\bar{b}$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
98	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
99	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
100	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
101	Measurement of multi-particle azimuthal correlations in pp , $p\bar{p}$ and low-multiplicity $Pb\bar{Pb}$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	3.9	86
102	Observation of Diffractive W -Boson Production at the Fermilab Tevatron. Physical Review Letters, 1997, 78, 2698-2703.	7.8	84
103	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	84
104	Inclusive jet cross section in $p\bar{p}$ -collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 1104-1108.	7.8	82
105	$\bar{t}t$ Production in $p\bar{p}$ -Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 75, 4358-4363.	7.8	82
106	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82
107	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	82
108	Measurement of the Top Quark Mass. Physical Review Letters, 1998, 80, 2767-2772.	7.8	81

#	ARTICLE	IF	CITATIONS
109	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
110	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81
111	Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. Physical Review Letters, 1998, 80, 2779-2784.	7.8	80
112	Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80
113	Measurement of the W Boson Mass. Physical Review Letters, 1995, 75, 11-16.	7.8	79
114	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
115	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	79
116	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	3.9	79
117	Measurement of the Lepton Charge Asymmetry in W-Boson Decays Produced in pp Collisions. Physical Review Letters, 1998, 81, 5754-5759.	7.8	78
118	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
119	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
120	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
121	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	77
122	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. Physical Review Letters, 1996, 77, 5336-5341.	7.8	76
123	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 2636-2641.	7.8	75
124	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. Physical Review Letters, 1999, 82, 271-276.	7.8	75
125	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75
126	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75

#	ARTICLE	IF	CITATIONS
127	Search for resonant diboson production in the $q\bar{q} \rightarrow \gamma^* \rightarrow \ell\ell$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
128	Measurement of the inclusive and dijet cross-sections of b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	73
129	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
130	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73
131	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	3.9	73
132	Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	3.9	72
133	Observation of Rapidity Gaps in $p\bar{p}$ Collisions at 1.8 TeV. Physical Review Letters, 1995, 74, 855-859.	7.8	71
134	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
135	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
136	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
137	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	3.9	71
138	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70
139	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
140	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV pp Collisions. Physical Review Letters, 1997, 79, 2198-2203.	7.8	69
141	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. Physical Review Letters, 1998, 80, 1156-1161.	7.8	69
142	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
143	Measurement of $b\bar{b}$ -production correlations, $B^0\bar{B}^0$ mixing, and a limit on μ Bin pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1997, 55, 2546-2558.	4.7	68
144	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68

#	ARTICLE	IF	CITATIONS
145	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	67
146	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67
147	Measurement of bottom quark production in 1.8 TeV pp collisions using muons from b-quark decays. Physical Review Letters, 1993, 71, 2396-2400.	7.8	66
148	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66
149	A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
150	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
151	First Observation of the All-Hadronic Decay of $t\bar{t}$ Pairs. Physical Review Letters, 1997, 79, 1992-1997.	7.8	65
152	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
153	Measurement of the $W\gamma$, $Z\gamma$ and $Z\gamma^*$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
154	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
155	Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	3.9	64
156	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
157	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	64
158	Prompt photon cross section measurement in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, 094005.	4.7	63
159	Measurement of W-Photon Couplings in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 74, 1936-1940.	7.8	63
160	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
161	Measurement of $\sigma_B(W\gamma^*e\gamma)$ and $\sigma_B(Z\gamma^*e\gamma)$ in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1996, 76, 3070-3075.	7.8	62
162	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62

#	ARTICLE	IF	CITATIONS
163	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	3.9	62
164	Charge Asymmetry in W-Boson Decays Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 74, 850-854.	7.8	61
165	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61
166	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ γ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
167	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
168	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	3.9	61
169	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	3.9	61
170	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
171	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61
172	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
173	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
174	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
175	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
176	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
177	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	3.9	60
178	Search for New Particles Decaying to Dijets in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 74, 3538-3543.	7.8	59
179	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
180	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	59

#	ARTICLE	IF	CITATIONS
181	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
182	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
183	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	3.9	59
184	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
185	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
186	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
187	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	3.9	56
188	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
189	Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
190	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	55
191	Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55
192	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
193	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
194	Measurements of fiducial cross-sections for $t\bar{t}\hat{A}^-$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
195	Evidence for color coherence in $p\bar{p}\hat{A}^-$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1994, 50, 5562-5579.	4.7	53
196	Limits on WWZ and $WW\hat{A}^3$ Couplings from WW and WZ Production in $p\bar{p}\hat{A}^-$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 75, 1017-1022.	7.8	53
197	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
198	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53

#	ARTICLE	IF	CITATIONS
199	Search for Higgs boson pair production in the $\gamma\gamma \rightarrow W^+W^-$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53
200	Search for Third Generation Leptoquarks in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 78, 2906-2911.	7.8	52
201	Search for Scalar Top and Scalar Bottom Quarks in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 5704-5709.	7.8	52
202	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
203	Performance of jet substructure techniques for large- R jets in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
204	Search for lepton-flavour-violating $H \rightarrow \tau\mu$, decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
205	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s} = 7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	3.9	52
206	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
207	Search for gluinos and squarks at the Fermilab Tevatron collider. Physical Review D, 1997, 56, R1357-R1362.	4.7	51
208	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	3.9	51
209	Measurement of the top quark mass with the template method in the $t \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
210	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a Z^{\prime} boson in the $\text{au} \rightarrow l, \bar{l}$, final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	3.9	51
211	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	3.9	51
212	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 379.	3.9	51
213	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
214	Measurement of the Helicity of W Bosons in Top Quark Decays. Physical Review Letters, 2000, 84, 216-221.	7.8	50
215	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
216	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	3.9	50

#	ARTICLE	IF	CITATIONS
217	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at. European Physical Journal C, 2018, 78, 401.	3.9	50
218	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
219	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13 \text{ TeV}$ pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	49
220	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
221	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
222	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	3.9	48
223	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	48
224	Measurement of the isolated prompt photon cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1992, 68, 2734-2738.	7.8	47
225	Comparison of jet production in $p\bar{p}$ collisions at $\sqrt{s} = 546$ and 1800 GeV . Physical Review Letters, 1993, 70, 1376-1380.	7.8	47
226	Search for First Generation Leptoquark Pair Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1997, 79, 4327-4332.	7.8	47
227	Searches for New Physics in Diphoton Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1998, 81, 1791-1796.	7.8	47
228	Measurement of B-hadron lifetimes using J/ψ final states at CDF. Physical Review D, 1998, 57, 5382-5401.	4.7	47
229	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
230	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 361.	3.9	47
231	Measurement of the ratio $\sigma(\text{pp} \rightarrow \text{W} \rightarrow \text{e} \nu) / \sigma(\text{pp} \rightarrow \text{Z} \rightarrow \text{e} \text{e})$ in $p\bar{p}$ collisions at $\sqrt{s} = 1800 \text{ GeV}$. Physical Review D, 1995, 52, 2624-2655.	4.7	46
232	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	3.9	46
233	Study of the rare decays of $B^0 \rightarrow B^0$ and $B^0 \rightarrow B^0$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	3.9	46
234	Measurement of the Higgs boson coupling properties in the $H \rightarrow 4\mu$ decay channel at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46

#	ARTICLE	IF	CITATIONS
235	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.	3.9	46
236	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	46
237	Search for Charged Bosons Heavier than the W Boson in $p\bar{p}$ Collisions at $\sqrt{s} = 1800$ GeV. Physical Review Letters, 1995, 74, 2900-2904.	7.8	45
238	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, \sqrt{s} = 13$ TeV with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
239	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
240	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
241	Measurement of the $t\bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
242	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
243	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
244	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
245	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
246	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
247	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	44
248	Observation of $b \rightarrow s \gamma$ at the Fermilab proton-antiproton collider. Physical Review D, 1997, 55, 1142-1152.	4.7	43
249	Search for the Flavor-Changing Neutral Current Decays $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \tau^+ \tau^-$. Physical Review Letters, 1999, 83, 3378-3383.	7.8	43
250	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in $\sqrt{s} = 7, \sqrt{s} = 13$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
251	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
252	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	3.9	43

#	ARTICLE	IF	CITATIONS
253	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 55.	3.9	43
254	Measurement of correlated $\hat{t}\bar{t}$ jet cross sections in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1996, 53, 1051-1065.	4.7	42
255	Measurement of $\hat{t}\bar{t}$ Production Cross Section in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1998, 80, 2773-2778.	7.8	42
256	Searches for new physics in diphoton events in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1999, 59, .	4.7	42
257	Observation of Diffractive b -Quark Production at the Fermilab Tevatron. <i>Physical Review Letters</i> , 2000, 84, 232-237.	7.8	42
258	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	42
259	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	42
260	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 466.	3.9	42
261	Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	42
262	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	41
263	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	41
264	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 23.	3.9	41
265	Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 40.	3.9	41
266	Higgs boson production cross-section measurements and their EFT interpretation in the $ell\ell$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	41
267	Measurement of jet shapes in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 70, 713-717.	7.8	40
268	Evidence for $W+W$ Production in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997, 78, 4536-4540.	7.8	40
269	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	40
270	A search for t resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	40

#	ARTICLE	IF	CITATIONS
271	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	3.9	40
272	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
273	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $s = 7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
274	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{c}^+ J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ \hat{c}^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
275	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
276	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- u \bar{u}$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	40
277	Measurement of the production and muonic decay rate of W and Z bosons in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 28-32.	7.8	39
278	Measurement of the $B^0 \rightarrow B^0$ Oscillation Frequency Using B Meson Charge-Flavor Correlations in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 80, 2057-2062.	7.8	39
279	Search for massive colored scalars in four-jet final states in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	39
280	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
281	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 87.	3.9	39
282	Search for Gluino and Squark Cascade Decays at the Fermilab Tevatron Collider. Physical Review Letters, 1996, 76, 2006-2010.	7.8	38
283	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $s = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
284	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	38
285	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $s = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
286	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	38
287	Measurement of the B -meson and b -quark cross sections at $\sqrt{s}=1.8$ TeV using the exclusive decay $B^0 \rightarrow \hat{c}^+ J/\psi K^{\pm}$. Physical Review Letters, 1992, 68, 3403-3407.	7.8	37
288	Measurement of the CP-Violation Parameters $\sin(2\hat{\beta}^2)$ in $B_d^0 \rightarrow \hat{c}^+ J/\psi K_S^0$ Decays. Physical Review Letters, 1998, 81, 5513-5518.	7.8	37

#	ARTICLE	IF	CITATIONS
289	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	37
290	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	3.9	37
291	Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s}=8\text{ TeV}$ in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
292	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	1.2	37
293	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $\sqrt{s}=13\text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	37
294	Limits on Z-Photon Couplings from $p\text{-}p\bar{p}$ Interactions at $s=1.8\text{ TeV}$. Physical Review Letters, 1995, 74, 1941-1945.	7.8	36
295	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	36
296	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
297	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
298	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
299	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
300	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s}=8\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	3.9	36
301	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
302	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	36
303	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	36
304	Measurement of pion and proton response and longitudinal shower profiles up to 20 nuclear interaction lengths with the ATLAS Tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 615, 158-181.	1.6	35
305	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
306	Measurement of the production cross section of prompt J/ψ mesons in association with a W^{\pm} boson in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35

#	ARTICLE	IF	CITATIONS
307	Search for $W' \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
308	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \sqrt{s} = 7$ TeV using 4.5 fb^{-1} of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
309	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
310	Measurement of the average lifetime of B hadrons produced in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1993, 71, 3421-3426.	7.8	34
311	Events with a Rapidity Gap between Jets in $p\bar{p}$ Collisions at $\sqrt{s} = 630$ GeV. Physical Review Letters, 1998, 81, 5278-5283.	7.8	34
312	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
313	Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	3.9	34
314	Measurements of top-quark pair differential and double-differential cross-sections in the W +jets channel with pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	34
315	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b -jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	34
316	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	33
317	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	3.9	33
318	Analysis of events with b -jets and a pair of leptons of the same charge in pp collisions at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
319	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
320	Measurement of the angular coefficients in Z -boson events using electron and muon pairs from data taken at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
321	Measurements of $\Upsilon(2S)$ and $X(3872) \rightarrow J/\psi + \Upsilon$ production in pp collisions at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
322	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
323	Measurement of $\Upsilon(1S)$ and $\Upsilon(2S)$ production with $s = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
324	Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	3.9	32

#	ARTICLE	IF	CITATIONS
325	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow b\bar{b}$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	32
326	Search for first-generation leptoquarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1993, 48, R3939-R3944.	4.7	31
327	Measurement of the cross section for production of two isolated prompt photons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1993, 70, 2232-2236.	7.8	31
328	Ratios of bottom meson branching fractions involving J/ψ mesons and determination of b quark fragmentation fractions. Physical Review D, 1996, 54, 6596-6609.	4.7	31
329	The $\tau \rightarrow e\bar{\nu}_e \nu_\tau$ and $\tau \rightarrow \mu\bar{\nu}_\mu \nu_\tau$ Decays of Top Quark Pairs Produced in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 3585-3590.	7.8	31
330	Search for Chargino-Neutralino Associated Production at the Fermilab Tevatron Collider. Physical Review Letters, 1998, 80, 5275-5280.	7.8	31
331	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 900$ GeV and $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	31
332	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	3.9	31
333	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
334	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	3.9	31
335	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
336	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
337	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb $^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
338	Search for W W/W Z resonance production in $\tau^+\tau^-$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
339	Measurement of the Ratio $R(W \rightarrow e\tau) / R(Z \rightarrow e\tau)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1994, 73, 220-224.	7.8	30
340	Search for excited quarks in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1994, 72, 3004-3008.	7.8	30
341	Search for new gauge bosons decaying into dielectrons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1995, 51, R949-R953.	4.7	30
342	Kinematic evidence for top quark pair production in W +multijet events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1995, 51, 4623-4637.	4.7	30

#	ARTICLE	IF	CITATIONS
343	Measurement of the b Lifetime Using $b \rightarrow c + \bar{a}^{\prime} \bar{a}^{\prime 1/2}$. Physical Review Letters, 1996, 77, 1439-1443.	7.8	30
344	Search for R-Parity Violating Supersymmetry Using Like-Sign Dielectrons in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1999, 83, 2133-2138.	7.8	30
345	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	3.9	30
346	Measurement of the $t \bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
347	Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	30
348	Charged-particle distributions in pp interactions at $\sqrt{s}=8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	3.9	30
349	Searches for the $Z\bar{\nu}\nu$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
350	Study of $WW\gamma$ and WZ . European Physical Journal C, 2017, 77, 646.	3.9	30
351	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30
352	Evidence for $t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	30
353	Search for quark compositeness, axigluons, and heavy particles using the dijet invariant mass spectrum observed in pp collisions. Physical Review Letters, 1993, 71, 2542-2546.	7.8	29
354	Measurement of b-Quark Fragmentation Fractions in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 1663-1668.	7.8	29
355	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
356	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp -collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.	3.9	29
357	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t -channel production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
358	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	29
359	An improvement in the VIRGO Super Attenuator for interferometric detection of gravitational waves: The use of a magnetic antispring. Review of Scientific Instruments, 1993, 64, 310-313.	1.3	28
360	Forward-Backward Charge Asymmetry of Electron Pairs above the Z Pole. Physical Review Letters, 1996, 77, 2616-2621.	7.8	28

#	ARTICLE	IF	CITATIONS
361	Measurement of the B^0 meson lifetime using semileptonic decays. <i>Physical Review D</i> , 1999, 59, .	4.7	28
362	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	28
363	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$. <i>European Physical Journal C</i> , 2017, 77, 804.	3.9	28
364	Measurement of $WW/WZ \rightarrow \ell \ell' \nu \nu'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , 2017, 77, 563.	3.9	28
365	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	28
366	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	28
367	Measurement of Drell-Yan electron and muon pair differential cross sections in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , 1994, 49, R1-R6.	4.7	27
368	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015, 75, 407.	3.9	27
369	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	27
370	Measurements of top-quark pair differential cross-sections in the $e^+e^- \rightarrow t\bar{t}$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 292.	3.9	27
371	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 625.	3.9	27
372	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	27
373	Limits on the production of massive stable charged particles. <i>Physical Review D</i> , 1992, 46, R1889-R1894.	4.7	26
374	Measurement of Z^0 and Drell-Yan production cross sections using dimuons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , 1999, 59, .	4.7	26
375	Search for Scalar Top Quark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000, 84, 5273-5278.	7.8	26
376	Measurements of electroweak WW_{jj} production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 474.	3.9	26
377	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $e^+e^- \rightarrow b\bar{b}$ and $e^+e^- \rightarrow WW$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	26
378	Measurement of the B^+ and B^0 meson lifetimes. <i>Physical Review Letters</i> , 1994, 72, 3456-3460.	7.8	25

#	ARTICLE	IF	CITATIONS
379	Measurement of the $B \rightarrow D^* \ell^+ \ell^-$ quark cross sections at $\sqrt{s} = 1.8$ TeV using the exclusive decay $B \rightarrow D^* \ell^+ \ell^-$ (892)0. Physical Review D, 1994, 50, 4252-4257.	4.7	25
380	Properties of High-Mass Multijet Events at the Fermilab Proton-Antiproton Collider. Physical Review Letters, 1995, 75, 608-612.	7.8	25
381	A search for $\Lambda(1520)$ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 2083.	3.9	25
382	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	25
383	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
384	Determination of the top-quark pole mass using $t \bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
385	Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	25
386	Search for triboson $W^+ W^- W^0$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
387	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	3.9	25
388	Direct Measurement of the W Boson Width. Physical Review Letters, 1995, 74, 341-345.	7.8	24
389	Search for Flavor-Changing Neutral Current B Meson Decays in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1996, 76, 4675-4680.	7.8	24
390	Reconstruction of $B \rightarrow D^* K^0$ and Measurement of Ratios of Branching Ratios Involving $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$. Physical Review Letters, 1996, 76, 2015-2020.	7.8	24
391	Search for New Particles Decaying to $b \bar{b}$ in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1999, 82, 2038-2043.	7.8	24
392	Measurement of $B \rightarrow B^0$ flavor oscillations using jet-charge and lepton flavor tagging in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1999, 60, .	4.7	24
393	Search for a Fourth-Generation Quark More Massive than the Z Boson in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 835-840.	7.8	24
394	Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	3.9	24
395	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp . European Physical Journal C, 2016, 76, 517.	3.9	24
396	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	24

#	ARTICLE	IF	CITATIONS
397	Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	24
398	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
399	Dijet angular distribution in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 2896-2900.	7.8	23
400	Identification of top quarks using kinematic variables. Physical Review D, 1995, 52, R2605-R2609.	4.7	23
401	Measurement of the Polarization in the Decays $B_d \rightarrow J/\psi K^* \text{ and } B_s \rightarrow J/\psi \eta'$. Physical Review Letters, 1995, 75, 3068-3072.	7.8	23
402	Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays. European Physical Journal C, 2010, 70, 875-916.	3.9	23
403	A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	3.9	23
404	Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	3.9	23
405	A search for high-mass resonances decaying to $\bar{l}, +l, \bar{\nu}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
406	Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
407	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	3.9	23
408	Measurement of the inclusive jet cross-sections in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
409	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	23
410	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
411	Search for Second Generation Leptoquarks in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 75, 1012-1016.	7.8	22
412	Search for Chargino-Neutralino Production in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 76, 4307-4311.	7.8	22
413	Search for Second Generation Leptoquarks in the Dimuon Plus Dijet Channel of pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 4806-4811.	7.8	22
414	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	22

#	ARTICLE	IF	CITATIONS
415	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	3.9	22
416	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
417	Measurement of the $t\bar{t} \rightarrow W^+W^-$ and $t\bar{t} \rightarrow Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
418	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
419	Measurements of top-quark pair spin correlations in the $t\bar{t} \rightarrow e^+e^-$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	22
420	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
421	Observation of the decay $B_s^0 \rightarrow J/\psi \eta'$ in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1993, 71, 1685-1689.	8.8	21
422	Precision Measurement of the Prompt Photon Cross Section in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 74, 1891-1893.	7.8	21
423	Search for New Particles Decaying into $b\bar{b}$ and Produced in Association with W/Bosons Decaying into e^+e^- at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 3819-3824.	7.8	21
424	Search for $B_s^0 \rightarrow B^+ \pi^-$ Oscillations Using the Semileptonic Decay $B_s^0 \rightarrow J/\psi \pi^+ \pi^-$. Physical Review Letters, 1999, 82, 3576-3580.	7.8	21
425	Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 461-477.	1.6	21
426	Measurement of J/ψ polarization in $W \rightarrow J/\psi \ell \bar{\nu}_\ell$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2062.	3.9	21
427	Measurement of the production cross-section of $\tilde{\chi}^0(2S) \rightarrow J/\psi (\chi^0 \rightarrow \gamma \gamma)$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
428	Determination of spin and parity of the Higgs boson in the $WW^* \rightarrow e^+e^- \mu^+\mu^-$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21
429	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	3.9	21
430	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
431	Observation of $B \rightarrow J/\psi K^+$ and $B^0 \rightarrow J/\psi K^*(892)^0$ decays and measurements of B-meson branching fractions into J/ψ and $\tilde{\chi}^0(2S)$ final states. Physical Review D, 1998, 58, .	4.7	20
432	Measurement of the $B_d^0 \rightarrow B_d^0$ flavor oscillation frequency and study of same side flavor tagging of B mesons in pp collisions. Physical Review D, 1998, 59, .	4.7	20

#	ARTICLE	IF	CITATIONS
433	Test beam results of 3D silicon pixel sensors for the ATLAS upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 638, 33-40.	1.6	20
434	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
435	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
436	Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
437	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
438	Measurement of the B_s Meson Lifetime. Physical Review Letters, 1995, 74, 4988-4992.	7.8	19
439	Study of $t\bar{t}$ Production in pp Collisions Using Total Transverse Energy. Physical Review Letters, 1995, 75, 3997-4002.	7.8	19
440	Measurement of the Branching Fraction $B(B_u \rightarrow \tau^+ \nu_\tau)$ and Search for $B_c \rightarrow \tau^+ \nu_\tau$. Physical Review Letters, 1996, 77, 5176-5181.	7.8	19
441	Measurement of the B^0 and B^+ meson lifetimes using semileptonic decays. Physical Review D, 1998, 58, .	4.7	19
442	Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
443	Measurement of k_T splitting scales in $W\tau^+\tau^-$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
444	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
445	Addendum to "Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	3.9	19
446	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
447	Probing lepton flavour violation via neutrinoless $\mu \rightarrow 3e$, $\tau \rightarrow 3e$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	3.9	19
448	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
449	Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
450	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb $^{-1}$ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19

#	ARTICLE	IF	CITATIONS
451	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	19
452	Search for charged Higgs boson decays of the top quark using hadronic decays. Physical Review D, 1996, 54, 735-742.	4.7	18
453	Properties of Jets in Z Boson Events from 1.8 TeV p-p Collisions. Physical Review Letters, 1996, 77, 448-453.	7.8	18
454	Search for long-lived parents of Z bosons in pp collisions at s=1.8 TeV. Physical Review D, 1998, 58, .	4.7	18
455	Search for the Decays B _s 0, B _d 0 → e [±] μ [∓] and Pati-Salam Leptoquarks. Physical Review Letters, 1998, 81, 5742-5743.	4.7	18
456	Measurement of the B _d 0-B _d 0 oscillation frequency using dimuon data in pp collisions at s=1.8 TeV. Physical Review D, 1999, 60, .	4.7	18
457	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
458	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	18
459	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \tau\tau$, in $s = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
460	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
461	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	18
462	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
463	Measurement of jet multiplicity in W events produced in pp collisions at s=1.8 TeV. Physical Review Letters, 1993, 70, 4042-4046.	7.8	17
464	Search for the top quark decaying to a charged Higgs boson in pp collisions at s=1.8 TeV. Physical Review Letters, 1994, 72, 1977-1981.	7.8	17
465	Search for Higgs Bosons Produced in Association with a Vector Boson in pp Collisions at s=1.8 TeV. Physical Review Letters, 1998, 81, 5748-5753.	7.8	17
466	Measurement of the B _B 0 oscillation frequency using \bar{D}^* pairs and lepton flavor tags. Physical Review D, 1999, 60, .	4.7	17
467	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	3.9	17
468	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
469	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
470	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $s = 7 \sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
471	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 158.	3.9	17
472	Identification of high transverse momentum top quarks in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
473	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
474	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
475	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13 \sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
476	Direct top-quark decay width measurement in the $\mathbf{\bar{t} \rightarrow t \hat{A}^-}$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
477	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
478	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
479	Search for the HH $\hat{b} \rightarrow b \bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
480	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	17
481	Search for the Top Quark Decaying to a Charged Higgs Boson in $p\bar{p}$ Collisions at $s=1.8$ TeV. Physical Review Letters, 1994, 73, 2667-2671.	7.8	16
482	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	16
483	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $s = 8 \sqrt{s}=8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
484	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
485	Top-quark mass measurement in the all-hadronic $\bar{t} \rightarrow t \hat{A}^-$ decay channel at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
486	Measurement of colour flow using jet-pull observables in $\bar{t} \rightarrow t \hat{A}^-$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	3.9	16

#	ARTICLE	IF	CITATIONS
487	Measurement of differential cross sections and $W^+/W^{\hat{+}}$ cross-section ratios for W boson production in association with jets at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	16
488	Measurement of the dijet mass distribution in $pp\hat{+}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1993, 48, 998-1008.	4.7	15
489	Measurement of the $B^{\hat{+}}$ and $B^{\hat{0}}$ Meson Lifetimes Using Semileptonic Decays. <i>Physical Review Letters</i> , 1996, 76, 4462-4467.	7.8	15
490	Further properties of high-mass multijet events at the Fermilab proton-antiproton collider. <i>Physical Review D</i> , 1996, 54, 4221-4233.	4.7	15
491	Search for a Technicolor T Particle in Events with a Photon and ab -Quark Jet at Fermilab. <i>Physical Review Letters</i> , 1999, 83, 3124-3129.	7.8	15
492	Hadronic shower development in Iron-Scintillator Tile Calorimetry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000, 443, 51-70.	1.6	15
493	Observation of orbitally excited B mesons in $pp\hat{+}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2001, 64, .	4.7	15
494	Search for diphoton events with large missing transverse energy with 36 pb^{-1} of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	15
495	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	15
496	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	15
497	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	15
498	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	15
499	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2013, 15, 043009.	2.9	15
500	Measurement of event-shape observables in $Z \rightarrow e^+e^- Z \rightarrow \hat{+}\hat{-}$ events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016, 76, 375.	3.9	15
501	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e^+e^- \gamma$ with the ATLAS detector at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	15
502	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	15
503	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	15
504	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	15

#	ARTICLE	IF	CITATIONS
505	Search for $\tilde{t}\tilde{t}^*$ in pp -collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1993, 47, R2639-R2643.	4.7	14
506	Search for Color Singlet Technicolor Particles in pp -Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2000, 84, 1110-1115.	7.8	14
507	Special supersymmetric features of large invariant mass unpolarized and polarized top-antitop production at the CERN LHC. Physical Review D, 2005, 71, .	4.7	14
508	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb $^{-1}$ of ATLAS data. European Physical Journal C, 2011, 71, 1.	3.9	14
509	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s}=8\text{TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
510	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
511	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s}=13\text{TeV}$ proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
512	Studies of $Z\tilde{\chi}^0_3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
513	Measurement of VH , $\mathcal{H}\rightarrow\mathcal{B}\overline{\mathcal{B}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
514	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
515	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13\text{TeV}$. European Physical Journal C, 2021, 81, 1.	3.9	14
516	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s}=13\text{TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
517	Search for $\overline{t}t$ resonances in fully hadronic final states in pp collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
518	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s}=13\text{TeV}$ collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	14
519	Observation of Hadronic W Decays in $t\bar{t}$ Events with the Collider Detector at Fermilab. Physical Review Letters, 1998, 80, 5720-5725.	7.8	13
520	Measurement of b-quark fragmentation fractions in the production of strange and light B mesons in pp -collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1999, 60, .	4.7	13
521	Search for a $W\rightarrow B$ Boson via the Decay Mode $W\rightarrow\tau\nu_{\tau}$ in 1.8 TeV pp -Collisions. Physical Review Letters, 2000, 84, 5716-5721.	7.8	13
522	Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7\text{TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13

#	ARTICLE	IF	CITATIONS
523	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7\text{-}\mathrm{TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	13
524	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	13
525	Search for lepton flavour violation in the $e\tau$ continuum with the ATLAS detector in $\sqrt{s} = 7\text{-}\mathrm{TeV}$ pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	3.9	13
526	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7\text{-}\mathrm{TeV}$ pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	3.9	13
527	Measurement of the CP-violating phase γ and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \tau^+\tau^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
528	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13\text{-}\mathrm{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
529	Search for anomalous couplings in the Wtb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	4.7	13
530	Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7\text{-}\mathrm{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
531	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13\text{-}\mathrm{TeV}$. European Physical Journal C, 2018, 78, 102.	3.9	13
532	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	13
533	Measurement of the Lifetime of the B_s^0 Meson Using the Exclusive Decay Mode $B_s^0 \rightarrow \tau^+\tau^-$. Physical Review Letters, 1996, 77, 1945-1949.	7.8	12
534	Results from a combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 387, 333-351.	1.6	12
535	Response of the ATLAS Tile calorimeter prototype to muons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 388, 64-78.	1.6	12
536	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	12
537	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of $\sqrt{s} = 8\text{-}\mathrm{TeV}$ proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
538	Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7\text{-}\mathrm{TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	3.9	12
539	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13\text{-}\mathrm{TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
540	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13\text{-}\mathrm{TeV}$ proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12

#	ARTICLE	IF	CITATIONS
541	Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
542	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	3.9	12
543	Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
544	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	12
545	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
546	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
547	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, 1.	3.9	12
548	Kinematics of $t\bar{t}$ events at CDF. Physical Review D, 1999, 59, .	4.7	11
549	Measurement of $W^{\pm}Z$ and $Z^{\pm}Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	11
550	Measurement of four-jet differential cross sections in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	4.7	11
551	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.	1.2	11
552	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	3.9	11
553	Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 220.	3.9	11
554	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
555	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
556	Combined performance studies for electrons at the 2004 ATLAS combined test-beam. Journal of Instrumentation, 2010, 5, P11006-P11006.	1.2	10
557	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10
558	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10

#	ARTICLE	IF	CITATIONS
559	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	3.9	10
560	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
561	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W\Delta$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
562	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
563	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
564	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
565	Search for Squarks and Gluinos via Radiative Decays of Neutralinos in Proton-Antiproton Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 75, 613-617.	7.8	9
566	Measurement of the mass of the Bs0 meson. Physical Review D, 1996, 53, 3496-3505.	4.7	9
567	Properties of photon plus two-jet events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 57, 67-77.	4.7	9
568	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	3.9	9
569	Measurement of the γ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
570	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
571	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ZZ $\rightarrow \tau\tau$, $\tau\tau$, $\tau\tau$, $\tau\tau$ and ZZ $\rightarrow \tau\tau$, $\tau\tau$, $\tau\tau$ + $1/2 \hat{A}^-$ ZZ $\rightarrow \tau\tau$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.		
572	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	9
573	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	9
574	Measurement of the relative width difference of the $B^0 \rightarrow B^0$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
575	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
576	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
577	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
578	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	8
579	Measurements of $W+W\bar{a} + \text{1 jet}$ production cross-sections in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
580	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
581	Reconstruction and identification of boosted $di\bar{l}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
582	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	3.9	8
583	Center-of-mass angular distribution of prompt photons produced in $pp\bar{a}$ collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1993, 71, 679-683.	7.8	7
584	3D-FBK pixel sensors: Recent beam tests results with irradiated devices. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 650, 150-157.	1.6	7
585	Measurement of $au \bar{l}$ polarisation in $Z/\gamma \rightarrow au \bar{l}$. European Physical Journal C, 2018, 78, 163.	3.9	7
586	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13 \text{ TeV}$ proton-proton collision data. European Physical Journal C, 2021, 81, 1.	3.9	7
587	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
588	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	7
589	On exploiting the single-lepton event structure for the top search. Il Nuovo Cimento A, 1994, 107, 75-83.	0.2	6
590	Search for the Rare Decay $W\bar{a}\bar{l}\bar{l}$. Physical Review Letters, 1996, 76, 2852-2857.	7.8	6
591	Measurement of the Differential Cross Section for Events with Large Total Transverse Energy in $pp\bar{a}$ Collisions at $s = 1.8 \text{ TeV}$. Physical Review Letters, 1998, 80, 3461-3466.	7.8	6
592	Measurement of the $f(W+\text{1Jet})/f(W)$ Cross Section Ratio from $pp\bar{a}$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1998, 81, 1367-1372.	7.8	6
593	Measurement of $b\bar{b}$ rapidity correlations in $pp\bar{a}$ collisions at $s = 1.8 \text{ TeV}$. Physical Review D, 1999, 61, .	4.7	6
594	Measurement of the associated $\bar{l}^{3+1/4}\bar{a}$ production cross section in $pp\bar{a}$ collisions at $s = 1.8 \text{ TeV}$. Physical Review D, 1999, 60, .	4.7	6

#	ARTICLE	IF	CITATIONS
595	The Standard Model from LHC to future colliders. European Physical Journal C, 2015, 75, 554.	3.9	6
596	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
597	Z -boson decays into an invisible dark photon at the LHC, HL-LHC, and future lepton colliders. Physical Review D, 2020, 102, .	4.7	6
598	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
599	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	3.9	6
600	WBoson + Jet Angular Distribution in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1994, 73, 2296-2300.	7.8	5
601	Properties of six-jet events with large six-jet mass at the Fermilab proton-antiproton collider. Physical Review D, 1997, 56, 2532-2543.	4.7	5
602	Search for the rare decay $W \rightarrow D_s \tau \nu$ in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	4.7	5
603	Expectations from LHC and LC on Top Physics. AIP Conference Proceedings, 2005, , .	0.4	5
604	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
605	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	5
606	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s} = 13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	3.9	5
607	Limit on the rare decay $W \rightarrow D_s \tau \nu$ in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1992, 69, 2160-2163.	3.8	4
608	A coil system for VIRGO providing a uniform magnetic field gradient. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 171, 162-166.	2.1	4
609	Alignment of the Pixel and SCT Modules for the 2004 ATLAS Combined Test Beam. Journal of Instrumentation, 2008, 3, P09004-P09004.	1.2	4
610	The optical instrumentation of the ATLAS Tile Calorimeter. Journal of Instrumentation, 2013, 8, P01005-P01005.	1.2	4
611	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
612	Measurement of jet activity in top quark events using the e^+e^- final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
613	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
614	Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	4
615	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	3.9	4
616	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
617	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
618	On-line monitoring of radiation damage in optical fibers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 325, 446-450.	1.6	3
619	Measurement of the σ_{D^*} Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1996, 77, 5005-5010.	7.8	3
620	Evaluation of Fermi read-out of the Atlas Tilecal prototype. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 403, 98-114.	1.6	3
621	Jet pseudorapidity distribution in direct photon events in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 57, 1359-1365.	4.7	3
622	Search for the rare decay $W \rightarrow \mu \nu$ in proton-antiproton collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	4.7	3
623	Characterization of proton irradiated 3D-DDTC pixel sensor prototypes fabricated at FBK. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 681, 25-33.	1.6	3
624	Mechanical construction and installation of the ATLAS tile calorimeter. Journal of Instrumentation, 2013, 8, T11001-T11001.	1.2	3
625	Measurement of the k_t splitting scales in $Z \rightarrow \mu \mu$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
626	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	3
627	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s} = 7$) TeV using 4.5 fb^{-1} of data with the ATLAS detector. , 2015, 2015, 1.		3
628	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \mu \nu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
629	Photon reconstruction in the ATLAS Inner Detector and Liquid Argon Barrel Calorimeter at the 2004 Combined Test Beam. Journal of Instrumentation, 2011, 6, P04001-P04001.	1.2	2
630	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	2.9	2

#	ARTICLE	IF	CITATIONS
631	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
632	Measurement of the energy asymmetry in $t\bar{t}j$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	3.9	2
633	Computing infrastructure for ATLAS data analysis in the Italian Grid cloud. Journal of Physics: Conference Series, 2011, 331, 052001.	0.4	1
634	Running a typical ROOT HEP analysis on Hadoop MapReduce. Journal of Physics: Conference Series, 2014, 513, 032080.	0.4	1
635	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s}=8, \text{TeV})$ with the ATLAS detector. , 2016, 76, 1.		1
636	Online monitoring of radiation damage in optical fibers. Nuclear Physics, Section B, Proceedings Supplements, 1993, 32, 431-435.	0.4	0
637	Comments on the CDF $88\text{--}89$ di-lepton top candidate event. Il Nuovo Cimento A, 1994, 107, 497-500.	0.2	0
638	Comments on the jet activity in Isajet top events. Il Nuovo Cimento A, 1995, 108, 237-240.	0.2	0
639	A layer correlation technique for pion energy calibration at the 2004 ATLAS Combined Beam Test. Journal of Instrumentation, 2011, 6, P06001-P06001.	1.2	0